

SEQUENCE LISTING

<110> Massey University
Institute Pasteur
Murray, Alan
Dupont, Christine

<120> Immunogenic polypeptide isolated from Mycobacterium avium
subspecies paratuberculosis and uses thereof

<130> P70329US0

<150> NZ 519667

<151> 2002-06-19

<160> 9

<170> PatentIn version 3.2

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<212> PRT

<213> Mycobacterium avium subspecies paratuberculosis

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Thr Lys Asn Val Lys Ser Val His Leu Val Leu Ser Ile Gln Gly Lys
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Ile Ser Gly Leu Pro Ile Lys Thr Leu Thr Gly Asp Leu Thr Thr Thr
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Pro Ala Thr Ala Ala Lys Gly Asn Ala Thr Ile Thr Leu Gly Gly Ser
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Asp Ile Asp Ala Asn Phe Val Val Val Asp Gly Thr Leu Tyr Ala Thr
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Leu Thr Pro Asn Lys Trp Ser Asp Phe Gly Lys Ala Ser Asp Ile Tyr
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